

Title (en)
Burner for a heat generator

Title (de)
Brenner für einen Wärmeerzeuger

Title (fr)
Brûleur pour générateur de chaleur

Publication
EP 0987493 B1 20030806 (DE)

Application
EP 98810922 A 19980916

Priority
EP 98810922 A 19980916

Abstract (en)
[origin: EP0987493A1] The burner is designed so that downstream of the fuel injector at least one sensor (400) is arranged for determining a block-back of the flame (80) from the combustion chamber (30) in the inside of the burner, fuel regulation is activated. The fuel supply to the flame is reduced at least temporarily and the fuel amount to the pilot burner is increased simultaneously to maintain a constant turbine output.

IPC 1-7
F23D 23/00; **F23D 17/00**; **F23D 14/82**; **F23D 14/02**

IPC 8 full level
F23R 3/00 (2006.01); **F23C 7/00** (2006.01); **F23D 11/40** (2006.01); **F23D 14/02** (2006.01); **F23D 14/82** (2006.01); **F23D 17/00** (2006.01); **F23D 23/00** (2006.01); **F23N 5/08** (2006.01); **F23R 3/30** (2006.01); **F23R 3/58** (2006.01)

CPC (source: EP US)
F23C 7/002 (2013.01 - EP US); **F23D 11/402** (2013.01 - EP US); **F23D 14/02** (2013.01 - EP US); **F23D 14/82** (2013.01 - EP US); **F23D 17/002** (2013.01 - EP US); **F23D 23/00** (2013.01 - EP US); **F23N 5/082** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US); **F23D 2209/10** (2013.01 - EP US)

Cited by
EP2669577A1; US9335046B2

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 0987493 A1 20000322; **EP 0987493 B1 20030806**; CA 2282153 A1 20000316; DE 59809222 D1 20030911; JP 2000097407 A 20000404; JP 4344049 B2 20091014; US 6210152 B1 20010403

DOCDB simple family (application)
EP 98810922 A 19980916; CA 2282153 A 19990913; DE 59809222 T 19980916; JP 24760699 A 19990901; US 37947099 A 19990824